

(WebServerABABA(Web)

*nix(Linux/Unix/FreeBSD)Windows()

10000tcp

WebServer

gfWebWeb/WebServer/gf(*nix)WebServer/

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Web

WebServer

```
func s *Server Restart(newExeFilePath string) error
func s *Server Shutdown() error

func s *Server EnableAdmin(pattern string)
```

Restart*nixwindowsShutdownEnableAdmin/debug/admin()

1. Restart

Restart(newExeFilePath)windowsWebServer

2. EnableAdmin

- WebServerWebServer
- EnableAdminrestartGETrestartnewExeFilePath <http://127.0.0.1/debug/admin/restart?newExeFilePath=xxxxxx>
- WebServer1WebServeradminadminWebServer

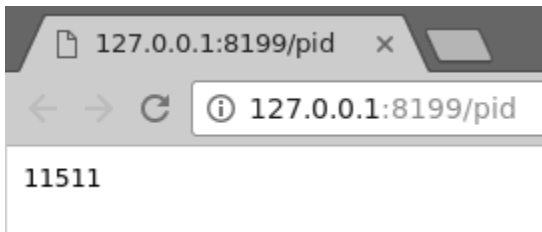
1

package main

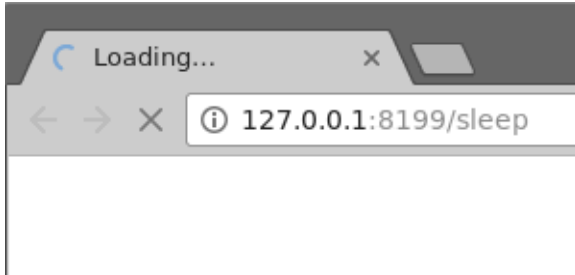
```
import (
    "time"
    "github.com/gogf/gf/frame/g"
    "github.com/gogf/gf/os/gproc"
    "github.com/gogf/gf/net/ghttp"
)

func main() {
    s := g.Server()
    s.BindHandler("/", func(r ghttp.Request) {
        r.Response.Writeln("")
    })
    s.BindHandler("/pid", func(r ghttp.Request) {
        r.Response.Writeln(gproc.Pid())
    })
    s.BindHandler("/sleep", func(r ghttp.Request) {
        r.Response.Writeln(gproc.Pid())
        time.Sleep(10 * time.Second)
        r.Response.Writeln(gproc.Pid())
    })
    s.EnableAdmin()
    s.SetPort(8199)
    s.Run()
}
```

1. <http://127.0.0.1:8199/pid> pid



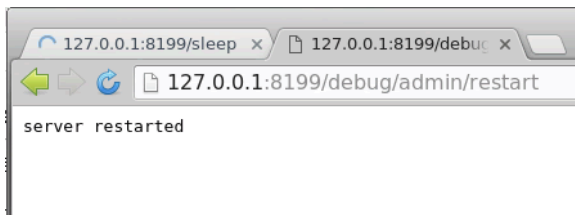
2. <http://127.0.0.1:8199/sleep> 10



3. <http://127.0.0.1:8199/debug/admin> s.EnableAdminWebServer



4. restartWebServer(*nix)

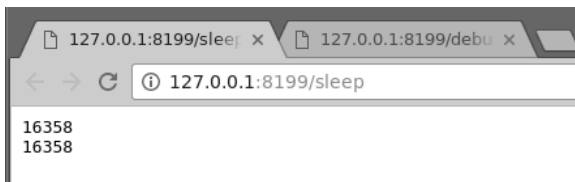


```

:
2018-05-18 11:02:04.812 11511: http server started listening on *:8199
2018-05-18 11:02:09.172 11511: server reloading
2018-05-18 11:02:09.172 11511: all servers shutdown
2018-05-18 11:02:09.176 16358: http server restarted listening on *:8199

```

5. sleepsleep



6. sleepid

2HTTPS

```

package main

import (
    "github.com/gogf/gf/frame/g"
    "github.com/gogf/gf/net/ghttp"
)

func main() {
    s := g.Server()
    s.BindHandler("/", func(r ghttp.Request) {
        r.Response.Writeln("")
    })
    s.EnableHTTPS("/home/john/temp/server.crt", "/home/john/temp/server.key")
    s.EnableAdmin()
    s.SetPort(8200)
    s.Run()
}

```

gfHTTPS

1. <https://127.0.0.1:8200/debug/admin/restart> HTTPS
2. <https://127.0.0.1:8200/debug/admin/shutdown> WebServer

```

2018-05-18 11:13:05.554 17278: https server started listening on :8200
2018-05-18 11:13:21.270 17278: server reloading
2018-05-18 11:13:21.270 17278: all servers shutdown
2018-05-18 11:13:21.278 17319: https server reloaded listening on :8200
2018-05-18 11:13:34.895 17319: server shutting down
2018-05-18 11:13:34.895 17269: all servers shutdown

```

3

gf

```
package main
```

```

import (
    "github.com/gogf/gf/frame/g"
)

func main() {
    s1 := g.Server("s1")
    s1.EnableAdmin()
    s1.SetPort(8100, 8200)
    s1.Start()

    s2 := g.Server("s2")
    s2.EnableAdmin()
    s2.SetPort(8300, 8400)
    s2.Start()

    g.Wait()
}

```

WebServer s1s28100820083008400 <http://127.0.0.1:8100/debug/admin/reload> <http://127.0.0.1:8100/debug/admin/shutdown>

```

2018-05-18 11:26:54.729 18111: http server started listening on :8400
2018-05-18 11:26:54.729 18111: http server started listening on :8100
2018-05-18 11:26:54.729 18111: http server started listening on :8300
2018-05-18 11:26:54.729 18111: http server started listening on :8200
2018-05-18 11:27:08.203 18111: server reloading
2018-05-18 11:27:08.203 18111: all servers shutdown
2018-05-18 11:27:08.207 18124: http server reloaded listening on :8300
2018-05-18 11:27:08.207 18124: http server reloaded listening on :8400
2018-05-18 11:27:08.207 18124: http server reloaded listening on :8200
2018-05-18 11:27:08.207 18124: http server reloaded listening on :8100
2018-05-18 11:27:19.379 18124: server shutting down
2018-05-18 11:27:19.380 18102: all servers shutdown

```

gfWeb*nix

SIGUSR1

```
kill -SIGUSR1 ID
```

```
SIGINT/SIGQUIT/SIGKILL/SIGHUP/SIGTERM
```

```
kill -SIGTERM ID
```

```
gfWebServerg.Server()ghhttp.GetServer()WebServerRestartShutdownWebServer
```